

20001203.qrp v02_n025.qrl.20001203

Date: Sun, 3 Dec 2000 19:03:08 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2025

QRP-L Digest 2025

Topics covered in this issue include:

- 1) [85319] Re: RF Power Measurement with an Oscilloscope
by KB7WW Art Moe <kb7ww@chatusa.com>
- 2) [85320] N0SXX from Lost Creek Wilderness: SUCCESS!!
by Gary Slagel <gds slagel@yahoo.com>
- 3) [85321] Re: Transformer oil
by Dan Poorman <dan@voyager.net>
- 4) [85322] Wanted _ St. Louis Tuner Manual.
by Joseph I Pirkle <ad4ih@juno.com>
- 5) [85323] [Fwd: Recommendation PLEASE for Transmitter kit/schematic for APRS Rocketry App]
by Jim Larsen AL7FS <al7fs@pobox.alaska.net>
- 6) [85324] Help with MP Sub VFO problem
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 7) [85325] FS: AEA MM3 keyer
by Peter Chow <pchow@cisco.com>
- 8) [85326] QSL Maker
by Rick McKee <kc8aon@juno.com>
- 9) [85327] Re: Transformer oil
by Rick McKee <kc8aon@juno.com>
- 10) [85328] RE: 160mtr contest
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 11) [85329] Re: Wanted _ St. Louis Tuner Manual.
by Joseph I Pirkle <ad4ih@juno.com>
- 12) [85330] CW Wyoming??
by "Steve McDonald" <jsm@gulfislands.com>
- 13) [85331] Re: Battery Voltage "The VOLTER"
by George Gingell <k3tks@u1.abs.net>
- 14) [85332] Re: CW Wyoming??
by W1R0@aol.com
- 15) [85333] FS: K2 #1272
by "Dean M. Rachwitz" <dean@totaltourtech.com>
- 16) [85334] Re: Battery Voltage "The VOLTER"
by "George, W5YR" <w5yr@att.net>
- 17) [85335] (no subject)
by K2YEW@aol.com
- 18) [85336] Re: Battery Voltage "The VOLTER"
by Euramcom <mel@euramcom.freemove.co.uk>

- 19) [85337] SMK-1 I
by Bill Morgan <bill@bmorgan.com>
- 20) [85338] Re: Transformer oil
by "Mike Yetsko" <myetsko@insydesw.com>
- 21) [85339] RE: CW Wyoming??
by "John L. Sielke" <w2agn@pobox.com>
- 22) [85340] Re: CW Wyoming??
by "Steve McDonald" <jsm@gulfislands.com>
- 23) [85341] Historic 1st GA Sierra to GA Sierra 6 Meter QRP QSO between W3IR
Z and AE4GX 12/02/00
by Sam Billingsley <SBillingsley@usaninc.com>
- 24) [85342] NorCal SMK-1 qrp TRANSCEIVER Kit
by Charles K Brown <n4so@juno.com>
- 25) [85343] MIZUHO 10m qrp handheld
by john williams <ac6ts@n2.net>
- 26) [85344] [LIQRP] CLUB - SATURDAY'S MEETING - NICKY'S RESTAURANT - CENTERPORT,
NEW YORK
by K2YEW@aol.com
- 27) [85345] CQ Wyoming??
by n5ib@juno.com
- 28) [85346] Help: Looking for 160 meter kit information
by "John Burnley" <burnleyia@home.com>
- 29) [85347] RE: Help: Looking for 160 meter kit information
by "John L. Sielke" <w2agn@pobox.com>
- 30) [85348] Re: Please send FOX Log #12
by Bruce Rattray <rattray@gpfn.sk.ca>
- 31) [85349] Contest: Milliwatt Triple Crown Final Results
by "John Burnley" <burnleyia@home.com>
- 32) [85350] Re: Please send FOX Log #12
by Ken Wagner <kewagner@ids.net>
- 33) [85351] Re: Battery Voltage "The VOLTER"
by Phil Wheeler <w7ox@earthlink.net>
- 34) [85352] Re: CQ Wyoming??
by Ray Colbert <w5xe@juno.com>
- 35) [85353] Ant: Recieving loop for 160 meters
by "Donny Sirait" <dsirait@centrin.net.id>
- 36) [85354] RE: Battery Voltage "The VOLTER"
by Nick Kennedy <nkennedy@tcainternet.com>
- 37) [85355] RE: Help: Looking for 160 meter kit information
by "James R. Duffey" <jamesd1@flash.net>
- 38) [85356] RE: Battery Voltage "The VOLTER"
by Nick Kennedy <nkennedy@tcainternet.com>
- 39) [85357] RE: Battery Voltage "The VOLTER"
by Jim Lyons <lyons@canada.com>
- 40) [85358] RE: 160mtr contest
by Nick Kennedy <nkennedy@tcainternet.com>
- 41) [85359] Hyped for Wyoming
by "Chuck Carpenter" <w5usj@globeco.net>

- 42) [85360] Re: CQ Wyoming??
by "Rod Cerkoney" <n0rc@hotmail.com>
- 43) [85361] Re: MIZUHO 10m qrp handheld
by Roy <marion@montana.com>
- 44) [85362] Fwd Current for 2N2222's?
by wb2vuo@juno.com
- 45) [85363] Re: Fwd Current for 2N2222's?
by Phil Wheeler <w7ox@earthlink.net>
- 46) [85364] Log update #12
by Don Minkoff <cowchip@mediaone.net>
- 47) [85365] Re: CQ Delaware and Wyoming...
by Brian <brian@iquest.net>
- 48) [85366] Re: CW Wyoming??
by Brian <brian@iquest.net>
- 49) [85367] Re: CW Wyoming??
by Brian <brian@iquest.net>
- 50) [85368] Re: Ant: Recieving loop for 160 meters
by "Steven Weber" <kd1jv@moose.ncia.net>
- 51) [85369] Re: Fwd Current for 2N2222's?
by "Jim Kortge, K8IQY" <jokortge@prodigy.net>
- 52) [85370] Re. 10M CW DX
by w0av@juno.com
- 53) [85371] Antenna tuner question
by Robsparks@aol.com
- 54) [85372] Re: Re. 10M CW DX
by "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
- 55) [85373] Re: Battery Voltage "The VOLTER"
by "John Moriarity" <k6qq@hdo.net>
- 56) [85374] FOX Cub - 4 December 2000
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 57) [85375] Re: Scope Tests: RF power
by Dan Tayloe <dtayloe@home.com>
- 58) [85376] Sprint & other topical ointments
by Nils B Young <rantinen@juno.com>
- 59) [85377] Re: Re. 10M CW DX
by Bob Nielsen <nielsen@oz.net>
- 60) [85378] RE: Battery Voltage "The VOLTER"
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 61) [85379] FOX Cub - 4 December 2000 - correction
by "Brian B. Riley, N1BQ" <n1bq@wulfdn.org>
- 62) [85380] PSK-40 New Small Wonder
by dave_epps@juno.com
- 63) [85381] Re: Kenwood TS-50 Service Manual
by "Karl F. Larsen" <k5di@zianet.com>
- 64) [85382] 160 Meter contest QRP:
by "Lawrence T. Owens" <w4dec@dibbs.net>
- 65) [85383] Color me Brave - QRP on 160 contest
by "Paul R. Valko" <prvalko@oakland.edu>

- 66) [85384] Square Coaxial Transmission Line
by George Murphy <VE3ERP@ENCODE.COM>
- 67) [85385] Re: CQ Delaware and Wyoming...
by "Bob Tellefsen" <n6wg@earthlink.net>
- 68) [85386] From the Ohio/Penn DE Bulletin # 48
by Paul Womble <pwomble1@tampabay.rr.com>
- 69) [85387] Re: Ant: Recieving loop for 160 meters
by "Bob Tellefsen" <n6wg@earthlink.net>
- 70) [85388] 160m contest QRP from the West Coast
by "Bob Tellefsen" <n6wg@earthlink.net>
- 71) [85389] Contest Calendar 2001 for the QRPers
by "Ron Polityka" <wb3aal@fast.net>
- 72) [85390] ARCI:tu K0EVZ, K5ZTY, N4BP, N5IW, WA7FLY
by k0co <k0co@arrl.net>
- 73) [85391] First HF contact (SSB QRP). Need help with address- JA1GFA (Yuki)
by "W7TRX" <w7trx@mindspring.com>
- 74) [85392] Re: Fwd Current for 2N2222's?
by wb2vuo@juno.com

Date: Sat, 02 Dec 2000 16:00:16 -0800
From: KB7WW Art Moe <kb7ww@chatusa.com>
To: w7zoi@teleport.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85319] Re: RF Power Measurement with an Oscilloscope
Message-ID: <3A298D10.81D845F7@chatusa.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wes,

Outstanding as usual.

BTW you missed VK7's on 6 yesterday.

Art
KB7WW

Wes Hayward wrote:

>
> Hi All,
> Transmitter evaluation with an oscilloscope is a recurring theme on
> QRP-L. I just added a note on the subject to my web site. See this at
> www.teleport.com/~w7zoi/ and that ~ is a tilde, not a dash.
>
> 73, Wes, W7ZOI

Date: Sat, 2 Dec 2000 17:05:56 -0800 (PST)
From: Gary Slagel <gdslagel@yahoo.com>
To: QRP L <qrp-l@Lehigh.EDU>
Subject: [85320] N0SXX from Lost Creek Wilderness: SUCCESS!!
Message-ID: <20001203010556.851.qmail@web210.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hi again!!

Had a great time on my little hike today and am amazed at the response I got from QRPL. I managed to operate for about an hour from Lost Creek Wilderness (nr Bailey, CO) and made 3 qso's. All pretty weak signals on both ends but all solid qso's with a little meat besides the ol' rst/qth/name. Suprising to me... every one was someone from the QRPL group (WA9YDJ, VE3ELA, NF0R) who had seen my post this morning saying when and where I'd be operating from. Thanks to all three!! We're a pretty active group!!

I took a couple photos and have them on my web page at:
http://marina.fortunecity.com/sanpedro/351/txpeditions_main.html

Once there, select the 'Rolling Rock Trail Hike' link near the top of the page.

Please take a look and 73, Gary

Please take a

=====

Gary Slagel/N0SXX
Conifer, CO 80433
gdslagel@yahoo.com
Personal Website: <http://marina.fortunecity.com/sanpedro/351>

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<http://shopping.yahoo.com/>

Date: Sat, 02 Dec 2000 20:28:13 -0500
From: Dan Poorman <dan@voyager.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85321] Re: Transformer oil
Message-ID: <f88j2tsd3al7epshu2ubi2al7sfqvee9rl@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

As I remember it, I used 50% mineral oil from the drug store and mixed it with 50% parafin wax. That was about 25 years ago and the dummy load is going strong.

The best part is that if it's tipped over, it doesn't spill.

I seem to remember someone saying such a mixture would cause a degradation in ratings for the cantenna, but at the couple of hundred watts max I ever put in to it, it barely even melted the wax around the load element.

Dan
WB8QKR

Date: Sat, 2 Dec 2000 20:43:02 -0500
From: Joseph I Pirkle <ad4ih@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [85322] Wanted _ St. Louis Tuner Manual.
Message-ID: <20001202.204304.-3928971.0.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

All,
Anyone with a manual (or copy) for St. Louis tuner please email me off-list.

72/73,
Joe Pirkle, AD4IH
BPL, QRP-L #2236, Zombie #754, CRS #????
ad4ih@arrl.net
ad4ih@juno.com

Date: Sat, 02 Dec 2000 16:46:19 -0900
From: Jim Larsen AL7FS <al7fs@pobox.alaska.net>

To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Cc: jim.sutton@mindspring.com
Subject: [85323] [Fwd: Recommendation PLEASE for Transmitter kit/schematic for APRS Rocketry App]
Message-ID: <3A29A5EB.12441D67@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings to the QRP-L list,

This request for information is surely QRP related. Are there any suggestions for Jim? Please send them directly to him at <mailto:jim.sutton@mindspring.com> If you think QRP-L at large would enjoy the response, CC: us all here at QRP-L

Thanks, everyone.

73, Jim, AL7FS

----- Original Message -----

Subject: Recommendation PLEASE for Transmitter kit/schematic for APRS Rocketry App
Date: Sat, 2 Dec 2000 15:03:15 -0500
From: "Jim Sutton" <jim.sutton@mindspring.com>
To: <AL7FS@QSL.NET>

Jim:

I enjoyed scanning your website!

Can you help or offer a suggestion for a suitable low cost, low power, small form factor, battery powered TRANSMITTER kit or schematic?

I am interested in a small form factor, battery powered transmitter on 143 mhz for a High Power Rocketry APRS application.

There are a great many HPR enthusiasts who are exploring RDF packages for rocket locators. Some of us are investigating GPS/APRS in an effort to precisely locate the rocket after landing.

Some groups have kluged together platforms from HAM radio hand-talkie radios but I'm trying to find a capable kit without all the packaging extras.
<http://members.home.com/jewen/construct.htm>

Trxmtr <--- TNC <--- GPS rcvr <--GPS ant

You must have a whole bunch of knowledgeable guys who could offer a suggestion or point directly to a suitable kit or schematics.

Thanks very much.

Jim Sutton

Waterford, VA

Date: Sat, 2 Dec 2000 21:24:40 -0500

From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: "W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>, QRP-L Discussion Group
<QRP-L@Lehigh.edu>

Subject: [85324] Help with MP Sub VFO problem

Message-ID: <200012022124_MC2-BCE7-19C2@compuserve.com>

MIME-Version: 1.0

Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain;

charset=ISO-8859-1

Content-Disposition: inline

Fellow MP owners:

Can anyone help with a problem? I recently bought a used 1000MP, and the=

Sub VFO seems to be acting up. Not sure why. Sometimes the Sub RX seems=

to work FB, but most of the time it does not seem to receive signals. I
can transfer the data from the Main VFO [A > B] per the manual, but all I=

hear is noise, no signals. Plus there are no signal strengths appearing =
in

the display above the Sub VFO.

As I said, sometimes everything seems to be working okay. It *seems* tha=
t

the Sub VFO does work right after a complete electrical reset. But after=
a

time the rig reverts to the problem. Anyone have an idea? Is there some=

procedure or menu setting to check? Thanks in advance :-)

Date: Sat, 2 Dec 2000 18:30:25 -0800 (PST)

From: Peter Chow <pchow@cisco.com>
To: qrp-1@Lehigh.EDU
Subject: [85325] FS: AEA MM3 keyer
Message-ID: <200012030230.SAA24039@cisco.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

My AEA MM3 needs a better home. Works (as far as I can tell), and cosmetically a 8. Believe I have the manual too. Asking \$100 + shipping from CA.

Thanks for reading.

72,
Peter

Date: Sat, 2 Dec 2000 21:53:14 EST
From: Rick McKee <kc8aon@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [85326] QSL Maker
Message-ID: <20001202.215445.4415.2.kc8aon@juno.com>

To the ones on the list that led me to the site to download the program - THANKS, got the program and so far so good ! And I know this has been requested here before, but where can I download some Amateur Radio clipart to use with the program ?

Thanks in advance !
72 & 73 ... Rick, KC8AON
Willow Wood, Ohio

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 2 Dec 2000 21:41:28 EST
From: Rick McKee <kc8aon@juno.com>
To: dan@voyager.net, qrp-1@Lehigh.EDU
Subject: [85327] Re: Transformer oil
Message-ID: <20001202.215445.4415.1.kc8aon@juno.com>

I use plain ole corn oil in mine ! And although I never run an amp here (100 watts max), I did have an oportunity to work on once and the shack took on a smell similar to pop corn while transmitting into the load !

Please don't try this at home, this stunt was performed by a trained frugal ham operator !

72 & 73
Rick, KC8AON
Willow Wood, Ohio

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<http://dl.www.juno.com/get/tagj>.

Date: Sat, 2 Dec 2000 22:59:40 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: <marion@montana.com>, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [85328] RE: 160mtr contest
Message-ID: <LPBBJAGIPFHKPJENAKLOOEODDBAA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> -----Original Message-----

> From: Roy

> Sent: Saturday, December 02, 2000 18:47 PM

>

> If anyone is looking for some laid back contesting, get on

> 160 if you can over the weekend. Good practice on those

> new contest programs. No speed maniacs, 20wpm or less.

> After all, most spend hours calling at the end with

> no responses, so no use driving off folks with uncopyable

> buzzes. The K2 is superb contest machine. Hope to see

> you there. 73 Roy AB7CE

Roy, I don't what part of 160 you were on, but I listened into 160 last night (about 0400z Saturday), after reading a note on the list here that 160 was "hot." Indeed it was, more activity than I have heard on 160 than any time I have listened, buuutttttt ... all I heard were those

allegedly absent 'speed maniacs' running way over 20 wpm. I think there was maybe one station on while I was on who was even vaguely slow enough that I could copy 75%.

72 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
mailto:n1bq@wulfdn.org
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

Date: Sat, 2 Dec 2000 23:22:10 -0500
From: Joseph I Pirkle <ad4ih@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [85329] Re: Wanted _ St. Louis Tuner Manual.
Message-ID: <20001202.232211.-3928971.2.ad4ih@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Copy of manual located. Thanks all.

72/73,
Joe Pirkle, AD4IH
BPL, QRP-L #2236, Zombie #754, CRS #????
ad4ih@arrl.net
ad4ih@juno.com

Date: Sat, 2 Dec 2000 20:39:20 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85330] CW Wyoming??
Message-ID: <003d01c05ce3\$024546c0\$5c11f4cc@jsm>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Had a nice QSO tonight with W3PP in Delaware...he was running 5 W to his 2 el beam!!! Solid 579 both ways and state # 49 on 7040. Can't believe there

are no QRPers in WYOMING!!!

Steve / VE7SL / TT-2 / 400mw / half-sloper / ocean

Date: Sun, 3 Dec 2000 00:57:33 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Cc: James Parsons <res075cz@gte.net>
Subject: [85331] Re: Battery Voltage "The VOLTER"
Message-ID: <Pine.BSF.4.21.0012030017440.13132-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Jim,

I just ran downstairs and Measured a Fresh DuraCell 1.5 VDC Battery at 1.609 VDC with My Fluke 87. I measured a fresh DuraCell 9 VDC Battery at 9.48 VDC. Both NO LOAD. Actually I am a bit surprised with the results. The reason being that I was reasonably sure Having measured much closer to the accepted Standard of 1.56 VDC No Load for the Cell. Maybe I should go do it again with a "D" Cell. I was using a Fresh "AA" Cell.

It has been a long time since I have played with this Voltage Reference idea. I do recall that Heathkit used the 1.56 vdc reference when calibrating the V7-A VTVM. There was a small RED Dot on the Scale which corresponded to 1.56 VDC for Calibration using the Fresh "D" Cell.

I also recall a very simple Circuit in a SAMS Publication on PCB Projects. It is Called "The Volter". It was a simple Printed Circuit Board with a battery Holder and 2 resistors in a Series Circuit. Using a 56K and a 100K (5%) resistor in series with the 1.5 VDC "D" Cell. Using the test points (across the 100K Resistor) you will have a rather Accurate 1 VDC Reference. The circuit Draws 10 Microamps, so you more or less have shelf life on the battery. I have one around here somewhere, but can't seem to find it at the moment. :^)

The Zener's and Voltage Regulators are also good to a degree, but they must be disconnected or you kill the Reference Source in a short while.

I always ment to run an experiment to track the reference voltage over a period of time (Several Months at least).

I wonder if any of our resident experts have ever tried such an

experiment? Also Some of the Battery Manufacturers may be able to shed light on the subject.

Several years back I spent a lot of time trying to Track the Current Capacity of 1.4 V DURACELL 312 Hearing Aid Batteries (Zinc Air)

Since I have two of those battery eating devices, it was a personal interest project. All I can recall is that I decided that Duracell Seemed to preform Best for me. YMMV. :^)

I still stick the seal tabs on the calendar to this day. The range is 7 to 14 Days on a cell (1 per ear).

I have several Pill Bottles with Used Cells. (It's not nice to throw them in the trash) Besides, I thought of powering a QRPP TX using a stack of them in a Straw. (Used are around .8 vdc) I think the Amp Circuit Drops out at around 1vdc. Hmmm Another REference ?

Anyway good luck with your Meter Calibration.

Hopefully this will spark some other interest in the "VOLTER"

I take no credit for the Idea, Just recall building the project many years back. Funny how simple Solutions seem to stick with you over the years.

Same book had the Simple RF Probe that we always see in the Handbook, etc.

22p cap, 1n34A Diode, 100k Resistor and 270k resistor. Come to think of it that one is a little different, it is a Shunt Detector. the 22p and 270k are in series with the probe lead the 1n34A and the 100k are in parallel with each other and connect between the 22p & 270k to Ground and Shield of probe lead.

Same Book as I recall.

As another Parting thought, Everyone should keep an Experimenter's Notebook in the shop to record some of these little tips that we come across from time to time. Also helps to keep from making the same mistakes time after time... :^)

Sir George, The First :^)

72 ES

QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
Former QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems

Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Sun, 3 Dec 2000 01:03:13 EST
From: W1R0@aol.com
To: jsm@gulfislands.com, qrp-l@lehigh.edu
Subject: [85332] Re: CW Wyoming??
Message-ID: <d9.d159e67.275b3c21@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Heck, I just finally found WG7Y today on 15 and 20 meters in the RTTY contest. Worked him on both bands during pileups. My first Wyoming contact of any type. He was running 100 w, I was running 4.5 watts, HF5B (butterfly beam at 25 feet), Argonaut II here in the Vegas desert.

Good Luck finding a QRPer up there!!!

72

Jim

W1R0/7

Date: Sat, 2 Dec 2000 23:12:12 -0700
From: "Dean M. Rachwitz" <dean@totaltourtech.com>
To: <qrp-l@lehigh.edu>
Subject: [85333] FS: K2 #1272
Message-ID: <NDBBLLDHFKDPMMKOJMJKGELCCKAA.dean@totaltourtech.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

I need to sell my K2 :-(.

#1272 is as delivered from Elecraft, a basic K2 with no options or modifications. I have the KNB2 unbuilt and the N0SS noise gen kit, also unbuilt.

It works perfectly, looks as new and only had a few hours of use. I am a

skilled technician, and it was assembled with great care.

I have the FT-100 knob for it. I can send it to you with it installed or not.

I'd like to get \$600 for it (buyer pays shipping costs).

Perhaps when my finances improve I can build another K2.

73,

Dean Rachwitz
K7ADN
Mesa, AZ

Date: Sun, 03 Dec 2000 00:40:54 -0600
From: "George, W5YR" <w5yr@att.net>
To: k3tks@u1.abs.net
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85334] Re: Battery Voltage "The VOLTER"
Message-ID: <3A29EAF6.AE22227@att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Just a thought:

I wonder if the chemistry of the DuraCell batteries being different from the traditional carbon-zinc cells would account for their open-circuit voltage being different from what you expected?

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

Fairview, TX 30 mi NE Dallas in Collin county QRP-L 1373
Amateur Radio W5YR, in the 55th year and it just keeps getting better!
Icom IC-756 PRO #02121 (9/00) Kachina #91900556 (12/99) IC-765 (6/90)

George Gingell wrote:

>
> Jim,
>
> I just ran downstairs and Measured a Fresh DuraCell 1.5 VDC Battery at
> 1.609 VDC with My Fluke 87. I measured a fresh DuraCell 9 VDC Battery at
> 9.48 VDC. Both NO LOAD. Actually I am a bit surprised with the results.

> The reason being that I was reasonably sure Having measured much closer to
> the accepted Standard of 1.56 VDC No Load for the Cell. Maybe I should go
> do it again with a "D" Cell. I was using a Fresh "AA" Cell.

Date: Sun, 3 Dec 2000 02:23:36 EST
From: K2YEW@aol.com
To: qrp-1@lehigh.edu
Subject: [85335] (no subject)
Message-ID: <c5.ba99d2a.275b4ef8@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Date: Sun, 3 Dec 2000 09:53:55 +0000
From: Euramcom <mel@euramcom.freemove.co.uk>
To: <w5yr@att.net>
Cc: <qrp-1@lehigh.edu>
Subject: [85336] Re: Battery Voltage "The VOLTER"
Message-ID: <E142VxY-00045F-00.2000-12-03-10-01-28@cmailg7.svr.pol.co.uk>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable

On Sun, 03 Dec 2000 00:40:54 -0600, w5yr@att.net wrote:

>Just a thought:

>

>I wonder if the chemistry of the DuraCell batteries being=
different

>from

>the traditional carbon-zinc cells would account for their open-
>circuit

>voltage being different from what you expected?

>

>72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

>

Got it in one! collect a cookie from the jar. The old zinc carbon=
batteries topped out at around 1.56 brand new.

This is difficult! We use a company at work to calibrate our=
Flukes
and other better stuff. They charge a substantial amount of money=
to
do the job properly! This is because they have to use a standard=
calibrated to a higher standard than the ones they are=
calibrating,
and in turn they have to have theirs calibrated on a weekly basis=
with a daily check by an even higher standard and so on, and so=
on.

Big fleas have little fleas.

So for our (ham) purposes here's what we have done in our local=
ham
club. First off, I got a couple of newly calibrated Flukes on=
loan
from work and with permission. Then everyone brings in their=
VOM's of
whatever types. Then we measure a precision 1% resistor low,=
medium
and high value on the Flukes and then on each users unit. If the=
users unit can adjust and needs it we do so. If it won't /can't
adjust, prepare a calibration chart showing how much out the unit=
is.

Do the same with a voltage source, and then with a current=
reading.
Check to see if volts and current adjusts have affected the
resistance ranges. If necessary average the readings as best as
possible. Consume some Bud or whatever takes your fancy. Have a=
good
natter, enjoy a good club night with friends, and you've=
essentially
got a reasonably good calibration of your VOM, and (hopefully)
learned a bit in the process.

Regards

--72 and 73 de Mel Evans, e-mail mel@euramcom.freeseerve.co.uk

Mel Evans GM6JAG Edinburgh Scotland
Home of the last HW9

Visit <http://www.euramcom.freeseerve.co.uk> for
US Euro Ham Radio Equivalent Parts and info,
Add-a-Link page let's you add your own pages instantly

Date: Sun, 03 Dec 2000 02:08:25 -0800
From: Bill Morgan <bill@bmorgan.com>
To: qrp-1@Lehigh.EDU
Subject: [85337] SMK-1 I
Message-ID: <3A2A1B99.233E15C3@bmorgan.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Does anyone know what I should expect for recv mode current on
the SMK-1 ? xmit ?

Thanks,

Bill

N6XGX

Date: Sun, 3 Dec 2000 06:27:17 -0500
From: "Mike Yettsko" <myetsko@insydesw.com>
To: <kc8aon@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85338] Re: Transformer oil
Message-ID: <003f01c05d1c\$00841ee0\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

You know, I have to ask...

If you are running only a hundred or so watts, why put ANY
oil in the thing? Just leave it air cooled...

I wonder, it would probably help to leave it OUT of the can,
or even blow air on it.

Mike

> I use plain ole corn oil in mine ! And although I never run an amp here
> (100 watts max), I did have an oportunity to work on once and the
shack
> took on a smell similar to pop corn while transmitting into the load !
>
> Please don't try this at home, this stunt was performed by a trained
> frugal ham operator !
>
> 72 & 73
> Rick, KC8AON
> Willow Wood, Ohio
>
>
> -----
> GET INTERNET ACCESS FROM JUNO!
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> <http://dl.www.juno.com/get/tagj>.
>

Date: Sun, 03 Dec 2000 08:01:58 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: Steve McDonald <jsm@gulfislands.com>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85339] RE: CW Wyoming??
Message-ID: <XFMail.001203080158.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Well, I was ready to make a DE-xpedition to Delaware, but I be darned if I'll go to Wyoming!

John W2AGN

On 03-Dec-00 Steve McDonald wrote:

> Had a nice QSO tonight with W3PP in Delaware...he was running 5 W to his 2
> el beam!!! Solid 579 both ways and state # 49 on 7040. Can't believe there
> are no QRPers in WYOMING!!!
>
> Steve / VE7SL / TT-2 / 400mw / half-sloper / ocean
>

Date: Sun, 3 Dec 2000 05:26:18 -0800
From: "Steve McDonald" <jsm@gulfislands.com>
To: "John L. Sielke" <w2agn@pobox.com>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85340] Re: CW Wyoming??
Message-ID: <005401c05d2c\$9fb11260\$5f11f4cc@jasm>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

> Well, I was ready to make a DE-xpedition to Delaware, but I be darned if
I'll
> go to Wyoming!
>
> John W2AGN

I know you were John and I was about ready to play my trump card when W3PP
offered a sked. I do appreciate your more than generous offer. Ed, W1RFI,
also offered to drive over there.
A young AC7 QRP'er has offered to drive to WYO but he doesn't have a
driver's licence yet!! He says that it would only take an hour. I asked him
how long it would take to walk!! The enthusiasm of the QRP community is
beyond belief. What a great hobby!!

Steve / VE7SL

Date: Sun, 3 Dec 2000 08:31:51 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "_AAAA_NOGA_onlist (E-mail)" <nogaqrp@qth.net>, "Klqrp_Submit (E-mail)"
<klqrp@applegate.org>, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [85341] Historic 1st GA Sierra to GA Sierra 6 Meter QRP QSO between W3IR
Z and AE4GX 12/02/00
Message-ID: <21B97A0171C2D4119E200002A50A53D40F508E@MAILSERVER2>
MIME-Version: 1.0
Content-Type: text/plain

Mike/W3IRZ and Sam/AE4GX have successfully built 6 meter band module plugins
for their GA Sierras. They are getting about 500mW power output and signals

have same stable quality as the lower bands.

This historic QSO occurred Saturday 12/02/00 following the December North Georgia QRP monthly meeting. Sam setup his vertical dipole (one tip at ground level) and fed it with coax. Mike used the endfed coax (TP) dipole in vertical mode (again at ground level).

At a DX distance of 1.1 miles both exchanged RSTs of 539. We will have a few PIXs in an upcoming NOGA web page update.

BTW the GA Sierra is simply a moded NORCAL Sierra using PCB templates from an ARRL handbook. Mike W3IRZ is the originator of the major Mods has published a detailed description in a previous ARCI QRP Quarterly issue and gave a FDI presentation at Dayton this last year. Sam used Mike's mods plus some of the Burdick Mods that appeared in QRP journals.

Major differences between the stock Norcal Sierra and the GA version are:

- * IF filter frequency = 4.000 MHz (allows use of simple Freq. counter or AFA for output freq. display - no offsets needed)
- * 3rd O.T. xtals used in pre-mix osc. (GA version uses all off the shelve - cheap stock xtals)
- * Varactor VFO tuning with 10-turn pot (eliminates having to find the air var. cap plus uses less space) Stability is as good as stock Norcal Sierra. (GA Sierra VFO freq 5.8 - 6.0 MHz)
- * Different transistor finals used to get the 6 meter output up.
- * Sam used the 2n2/6 output filter and Mike used the standard Norcal Sierra type filter.

NOGA hopes to get more GA Sierra related info up on it's web page soon.

Sam AE4GX Atlanta, GA North Georgia QRP Club (NOGA)

Date: Sun, 3 Dec 2000 07:37:24 -0600
From: Charles K Brown <n4so@juno.com>
To: qrp-1@lehigh.edu
Subject: [85342] NorCal SMK-1 qrp TRANSCEIVER Kit
Message-ID: <20001203.074052.11902.7.n4so@juno.com>

Current draw at 13.8 volts is about
20 mA on receive and 110 mA on transmit.
Source: The NorCal SMK-1 QRP Transceiver
Kit, QST mag. Nov. 2000, page 70.

Also in QST mag. compare and contrast QRP
Transceiver Kits: Six Reports from the Field
by Michael Tracy, KC1SX, QST December 2000 page
28. -- six of today's most
popular (?) low-power radio kits evaluated by
the people who actually built them.

Also in the Dec. issue- page 75, short note on
"Calculating Wire Lengths for Winding Toroids"--
I still have the 18K file as saved file
Toroid.txt.

Ken Brown N4S0
Mobile, AL EM50tk
NorCal 20 at 5 watts
4 element mono. yagi
Elecraft K-1 on the work bench

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Date: Sun, 03 Dec 2000 05:55:56 -0800
From: john williams <ac6ts@n2.net>
To: qrp-l@Lehigh.EDU
Subject: [85343] MIZUHO 10m qrp handheld
Message-ID: <200012031351.FAA00635@ravel.n2.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Group,
A ham in my club has a MIZUHO, (like a AEA dx handy), 10m cw/ssb with
loaded antenna he will sell me for \$250.00 It is in good shape. Has rit,
signal meter, built in CW key button. (straight key action) or can plug
in my own keyer. Handheld metal case holds AA batteries. Really a neat
little rig. Is his price fair? I would like to have it, looks like fun.
Any help much appreciated.

Thanks
John W.

--

PAGE AT-> <http://www.angelfire.com/ca2/home4biz/index.html>

---/---
---/---
----/----
-----/-----

AC6TS John Williams
LAT. 33.06.15 LON. -117.03.36 7.030Mhz CW
DM13KC 14.030Mhz CW

Date: Sun, 3 Dec 2000 08:57:33 EST
From: K2YEW@aol.com
To: qrp-l@lehigh.edu
Subject: [85344] [LIQRP] CLUB - SATURDAY'S MEETING - NICKY'S RESTAURANT -
CENTERPORT, NEW YORK
Message-ID: <f2.5263344.275bab4d@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi Guys,

This email is being written for those QRPers who could not make the Saturday, December 2nd meeting of the Long Island QRP Club at Nicky's Restaurant in Centerport, Long Island, New York.

The highlight of the meeting was Preston WJ2V contacting a Maryland station on 20 meters via a PSK31 digital mode, running 2 Watts into a vertical antenna clamped to our large restaurant table, with the counterpoise running along the restaurant floor. "Fine tuning" for the VSWR was achieved by the meeting attendees adjusting their table seating positions near the antenna base.

About a dozen non-ham customers in the restaurant watched with great anticipation. It was hard for the non-hams in the restaurant to tell whether or not this was "Captain Kirk" trying to contact his space station, or if it was nothing but an Internet access using a radio connection to the ISP, instead of a phone line. [Preston wasn't wearing the official "Star Wars" spaceship uniform, and the multitude of avid QRPers assembled around the table didn't look like astronauts either, especially WB2ART with his official

FISTS sweatshirt!]

This scene, even though not as dramatic or desperate looking as ET trying to "phone home", created enough "activity" in the restaurant for the LIQRP Club to possibly be banned from future club meetings at this establishment! A sizable tip to the waitress was our final peace offering!

The restaurant Manager was not warned in advance of this fantastic demo scene [there was a 25 degree F wind chill factor outdoors -- too cold to ham in the little park across the street] , and she will probably tell a story of what happened in her restaurant for years to come!

The LIQRP Club meeting was in many ways like old time ham radio. There was "show and tell", and a hell of a lot of camaraderie among the ten QRP dudes. The LIQRP members who attended this meeting had the following things in common:

1. everyone was not afraid to build their own rig.
2. everyone was not afraid to troubleshoot their own rig.
3. everyone could handle themselves with CW.

This was my first meeting with the Long Island QRP club. These are good people to be hanging out with!

'Twas a real fun time!

Norm Wesler K2YEW
ARCI # 6233 FISTS # 2654

Date: Sun, 03 Dec 2000 09:14:24 EST
From: n5ib@juno.com
To: jsm@gulfislands.com, qrp-l@lehigh.edu
Subject: [85345] CQ Wyoming??
Message-ID: <20001203.081127.4655.0.N5IB@juno.com>

On Sat, 2 Dec 2000 20:39:20 -0800 "Steve McDonald" <jsm@gulfislands.com> writes:

>Had a nice QSO tonight with W3PP in Delaware...he was running 5 W to his

>el beam!!! Solid 579 both ways and state # 49 on 7040. Can't believe there
>are no QRPers in WYOMING!!!
>Steve / VE7SL / TT-2 / 400mw / half-sloper / ocean

OK gang, according to my map, Idaho, Colorado, Utah, Montana, Nebraska, and South Dakota all border on Wyoming. It's time for y'all up there on the frozen tundra to limber up the sled dogs, dust off the snowshoes, fill a thermos with hot chicken soup, and make a DXpedition to the Great State of Wyoming.

We gotta get Steve his 50th state. And we need lots of pictures at both ends of that last QSO, cause the next thing to do is flood ARRL HQ with demands that this feat be on the cover of QST!

72
Jim N5IB
warm and content in the deep south

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 3 Dec 2000 08:58:18 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-l@lehigh.edu>
Cc: <IaQRP-L@divis17.ped-gen.uiowa.edu>
Subject: [85346] Help: Looking for 160 meter kit information
Message-ID: <001501c05d39\$79089ae0\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I've been contacted by a fellow IAQRP'er who is looking for a 160 xcvr kit. So far I haven't found anything or I've been looking in the wrong place (hi). Does anyone have a suggestion that I can pass along. Thanks much in advance.

72, John NU0V

Date: Sun, 03 Dec 2000 10:13:18 -0500 (EST)
From: "John L. Sielke" <w2agn@pobox.com>
To: John Burnley <burnleyia@home.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85347] RE: Help: Looking for 160 meter kit information
Message-ID: <XFMail.001203101318.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

Small Wonder Labs has an SW-160. I have one, and like it. Just in 15 minutes last night playing around, made 15 contacts in the 160M contest with it.

On 03-Dec-00 John Burnley wrote:

> I've been contacted by a fellow IAQRP'er who is looking
> for a 160 xcvr kit. So far I haven't found anything or I've
> been looking in the wrong place (hi). Does anyone have
> a suggestion that I can pass along. Thanks much in
> advance.
>
> 72, John NU0V

|_|_|_|<_>|. |/_> | \ | John L. Sielke w2agn@pobox.com w2agn@qsl.net
|_|_|_| / / | | |<_/\| | NJ Grid:FM29LN <http://www.qsl.net/w2agn>
|_/_/_/ <_>|_|_|_|_/_/_/_/|_|_|_| NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
EX-N4JS, W4MPC, W7JEF, K3HLU G-QRP #9544 NorCal CQC AKQRP QCWA FISTS #2781
SOC #390, fpQRP, ARLHS, 00TC, Elecraft K2 #00023 K1 #00146

Date: Sun, 3 Dec 2000 09:15:11 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: "Wilford D. Lindsey" <70511.3041@compuserve.com>
Cc: Low Power Group <qrp-l@LeHigh.EDU>
Subject: [85348] Re: Please send FOX Log #12
Message-ID: <Pine.LNX.3.95.1001203091409.14594A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I couldn't read it either Doc....does anyone have Don's log as a text file please?.....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272

A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
"QRP! How sweet it is!" oo#148 "I am da man wit "DAH" paddle!"

On Sun, 3 Dec 2000, Wilford D. Lindsey wrote:

> Bruce:
>
> Can you please forward me a copy of Don Minkoff's log? I could not open
> the copy he sent to the list, but surely would like to see the log. Guess
> I am asking you to send it as a text file. Apparently this silly
> Compuserve software just won't "view" it. Nuts. Thanks in advance.
>
> 72,
> --Doc Lindsey
>

Date: Sun, 3 Dec 2000 09:24:37 -0600
From: "John Burnley" <burnleyia@home.com>
To: <qrp-1@lehigh.edu>
Subject: [85349] Contest: Milliwatt Triple Crown Final Results
Message-ID: <000301c05d3d\$26388380\$1b790818@c149552-a.west1.ia.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang. The KnightLites, Ft. Smith QRP Group, and the Iowa QRP Club are pleased to announce the final results of the Milliwatt Triple Crown. The Milliwatt Triple Crown was a contest based on the cumulative results of three separate milliwatt contests sponsored by the respective clubs. The idea for a multi-club milliwatt competition came from Doug Hendricks (KI6DS) and Dave Gauding (NF0R). On behalf of the three clubs, I would like to thank all those who participated and submitted logs. Here are the final results of the Milliwatt Triple Crown:

Call	Score	Rank
=====	=====	=====
N4ROA	138,190	1st
NQ5RP	103,436	2nd
WQ4RP	71,296	3rd
W4LOW	50,200	4th

K1QM	38068	5th
NF0R	36,504	6th
KU4AF	32,384	7th
AB8DF	29,000	8th
WQ2RP	28,600	9th
N4BP	19,976	10th

Participants will receive a certificate for their efforts. Again our thanks for being a part of this fun event!

72, John NU0V

 Date: Sun, 03 Dec 2000 10:41:59 -0500
 From: Ken Wagner <kewagner@ids.net>
 To: rattray@gpfn.sk.ca, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
 Subject: [85350] Re: Please send FOX Log #12
 Message-ID: <4.3.2.7.2.20001203104143.00abf920@mail.ids.net>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"; format=flowed

At 10:15 AM 12/3/00, Bruce Rattray wrote:
 >I couldn't read it either Doc....does anyone have Don's log as a text file
 >please?.....

The following was cut/paste to a text editor, then copied here.
 73, K3IU

Copied from Don's email for FoxHunt 12

```

~~~~~
0200    WA9TZE  559    WI      JIM          5W
0204    NQ7X   559    AZ      FLOYD         5W
0205    K5AAR  559    OK      DON          5W
0205    K6WG   599    CA      BOB          5W
0206    AA7EQ  559    AZ      BOB          5W
0207    K5DI   599    NM      KARL         5W
0209    K0MP   559    CO      BILL         5W
0209    N1LN   599    TX      BRUCE        5W
0211    W0CH   559    MO      DAVE         5W
0212    K0EVZ  559    ND      DOC          5W
0213    K7RE   559    AZ      BRIAN        5W
0214    K0FPR  599    CO      AL           5W
0219    K7Q0   599    AZ      CLIFF        5W
0224    WE6W   579    CA      ED           5W

```

0224	NK7M	579	AZ	BOB	5W
0225	W7ILW	559	AZ	HOWARD	3W
0226	W5SB	559	TX	BILL	5W
0227	NW7DX	559	WA	BEN	5W
0228	W5YR	559	TX	GEO	5W
0230	N2WW	559	CO	LARRY	5W
0231	K7FD	599	OR	JOHN	5W
0232	N1FN	559	CO	ET	5W
0234	N0DSP	559	CO	TOM	5W
0235	N5TW	559	NM	TOM	5W
0236	WA7LNU	599	UT	JACK	5W
0237	K5VUU	559	TX	ED	5W
0238	W6ABC	599	CA	JOCK	5W
0239	K5ZTY	559	TX	BILL	5W
0242	AC5JH	599	OK	TOM	5W
0243	N9AW	559	WI	JERRY	5W
0245	W0RSP	559	SD	ADE	4W
0246	N5EN	559	TX	STEVE	5W
0249	W9XU	559	WI	LON	5W
0250	W0RW	579	CO	PAUL	5W
0252	KB7WW	559	OR	ART	5W
0253	W4NJK	559	CA	CHARLIE	5W
0254	K5JHP	559	TX	BILL	5W
0255	K5LN	559	CO	BILL	5W
0257	K8IE	559	OH	DAN	5W
0258	N0UR	559	MN	JIM	5W
0259	W9XT	559	WI	GARY	5W
0300	K7EL	559	OR	DAVE	5W
0303	KI0II	559	CO	RON	5W
0304	K4FB	559	FL	PAUL	5W
0306	AF4PS	579	FL	MAC	4W
0308	KK5LD	559	TX	DAN	5W
0309	K9IUA	559	ND	KEVIN	5W
0311	KQ5U	559	TX	TERRY	5W
0312	W0JOE	559	MO	JOE	5W
0313	W5USJ	559	TX	CHUCK	4W
0315	WA7TQK	559	ID	BILL	5W
0316	K5EOA	559	LA	WAYNE	5W
0318	KK7GG	559	OR	MIKE	5W
0320	AF4LQ	559	KY	MIKE	5W
0322	K5DW	539	TX	DON	5W
0322	NM5M	559	TX	RICK	5W
0325	NK9G	559	WI	RICK	5W
0328	K10J	559	TX	OJ	5W
0330	KE6RS	599	CA	RON	5W
0331	W9UQB	559	AZ	MIKE	5W
0332	KE6JJJ	559	CA	JEREMY	2W
0335	AA0ZZ	559	MN	CRAIG	5W

0338	AC7CF	559	UT	ANDY	5W
0339	K0QD	559	CO	HUGH	5W
0342	AD6JY	599	CA	DAN	5W
0344	N0EHW	559	MO	TIM	5W
0346	N0TU	599	CO	STEVE	5W
0347	K8CV	559	MI	WALT	5W
0350	AE9K	559	WI	BRIAN	5W
0352	N4ROA	559	VA	DAN	5W
0353	K2VCO	559	CA	VIC	5W
0354	W0PWE	559	IA	JERRY	5W
0358	W5HNS	559	TX	HENRY	5W
0358	W7AQK	599	AZ	DAVE	5W
0359	N5UW	599	OK	CLIF	5W
0359	N8RU	559	MI	RON	5W
0000	NK6A		CA	FOX	

--

Date: Sun, 03 Dec 2000 07:48:08 -0800
 From: Phil Wheeler <w7ox@earthlink.net>
 To: w5yr@att.net
 Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
 Subject: [85351] Re: Battery Voltage "The VOLTER"
 Message-ID: <3A2A6B38.6D8D09F6@earthlink.net>
 MIME-Version: 1.0
 Content-Type: text/plain; charset=us-ascii
 Content-Transfer-Encoding: 7bit

"George, W5YR" wrote:

>
 > Just a thought:
 >
 > I wonder if the chemistry of the DuraCell batteries being different from
 > the traditional carbon-zinc cells would account for their open-circuit
 > voltage being different from what you expected?
 >

I would, George. I've done such tests and get different results with different cell technologies .. as one would expect from the data at various web sites of voltage vs. usage for different loads.

Phil

> George Gingell wrote:

> >
> > Jim,
> >
> > I just ran downstairs and Measured a Fresh DuraCell 1.5 VDC Battery at
> > 1.609 VDC with My Fluke 87. I measured a fresh DuraCell 9 VDC Battery at
> > 9.48 VDC. Both NO LOAD. Actually I am a bit surprised with the results.
> > The reason being that I was reasonably sure Having measured much closer to
> > the accepted Standard of 1.56 VDC No Load for the Cell. Maybe I should go
> > do it again with a "D" Cell. I was using a Fresh "AA" Cell.

Date: Sun, 03 Dec 2000 08:59:42 -0700
From: Ray Colbert <w5xe@juno.com>
To: qrp-l@lehigh.edu
Subject: [85352] Re: CQ Wyoming??
Message-ID: <3A2A6DED.CF7F17B9@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

You might also listen for George, K7DU in Hanna
Wyoming - he is not a qrp'er but is active
on cw on 40,30 and 20 - not sure if his
boatanchors cover higher, and his cw is
excellent and quite slow. Always has a
good signal and nice fellow to chat with.

--

"Politicians are like nappies. Both should be
changed regularly -- and for the same reason"
"Scotsman - Scotsman's Diary 12/97"
Ray Colbert, W5XE, 00TC#3618, SOWP#1064M SOC#78 fp #111
NCT2 (also w5xe@juno.com El Paso, (FAR WEST) TEXAS

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Date: Sun, 3 Dec 2000 22:58:34 +0700
From: "Donny Sirait" <dsirait@centrin.net.id>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [85353] Ant: Recieving loop for 160 meters
Message-ID: <002401c05d42\$f0336a60\$52ee92ca@donnysirait>

MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi there,
Would appreciate very much help from the list members.
Since we are discussing about the 160 meters contest,
Me and my club would like to participate in the coming
CQ 160meter contest next month.
We are thinking of constructing a receiving loop for 160 meters
from the ARRL antenna handbook. However the handbook mentioned
that the loop element made from RG59 with a distributed capacitance
of 420PF (21PF/foot).
We are thinking of making the loop from RG213 or RG8 for better
rigidness but the capacitance/foot is about 30PF so the distributed
capacitance of 20 feet will be about 600PF.

Question is how do we resonate the antenna? since in the handbook
we need to add about 100PF more to the total 420PF to resonate
the RG59 loop, and now the total is more than 520PF so what do we
have to do with the extra 80PF??

Thank you for reading and your comments will be very much appreciated.

vy 72 de YB1BOD
Donny Sirait
Bekasi Indonesia

Date: Sun, 3 Dec 2000 10:11:19 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'k3tks@u1.abs.net'" <k3tks@u1.abs.net>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [85354] RE: Battery Voltage "The VOLTER"
Message-ID: <01C05D11.61DA5660.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Coincidentally, I just yesterday measured the voltage of a new alkaline AAA
battery with a calibrated Fluke DMM. It measured 1.6034 volts.

I wasn't really checking the battery--I was checking out a cheap DMM I got
from BG Micro for \$7. It measured 1.600 volts. I also did a check of the
resistance of a relay coil and the cheapo meter was again within 0.2% of

the expensive calibrated Fluke.

I'm not saying this little throw-away meter is the equal of the Fluke, but I'm pretty pleased with it at the price. It does volts and current (to 10A) AC and DC, ohms, and also has a transistor Hfe function. It's tiny and accepts banana plug leads. Thought frugal QRPers might wanna know about this neat little backup meter.

Back on batteries, I guess about 1.6 volts for a new unloaded alkaline cell is a pretty good standard.

72--Nick, WA5BDU

-----Original Message-----

From: George Gingell [SMTP:k3tks@u1.abs.net]
Jim,

I just ran downstairs and Measured a Fresh DuraCell 1.5 VDC Battery at 1.609 VDC with My Fluke 87. I measured a fresh DuraCell 9 VDC Battery at 9.48 VDC. Both NO LOAD. Actually I am a bit surprised with the results. The reason being that I was reasonably sure Having measured much closer to the accepted Standard of 1.56 VDC No Load for the Cell. Maybe I should go do it again with a "D" Cell. I was using a Fresh "AA" Cell.

Date: Sun, 03 Dec 2000 09:14:19 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-1@lehigh.edu>, <w2agn@pobox.com>
Subject: [85355] RE: Help: Looking for 160 meter kit information
Message-ID: <B64FBF6B.3ED1%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

John - The 160 M version of the SW+ is no longer listed on the SWL web page.
- Duffey

--
James R. Duffey KK6MC/5
30 Casa Loma Road
Cedar Crest, NM 87008

Date: Sun, 3 Dec 2000 10:16:47 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'w5yr@att.net'" <w5yr@att.net>, Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85356] RE: Battery Voltage "The VOLTER"
Message-ID: <01C05D12.25983360.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

I'd sure say that you're right, George. My Heath VTVM that I built about 30 years ago has a red dot for calibration at around 1.56 volts, but I'm sure that was for a carbon-zinc cell. Alkalines are a bit higher.

72--Nick, WA5BDU

-----Original Message-----

From: George, W5YR [SMTP:w5yr@att.net]
Just a thought:

I wonder if the chemistry of the DuraCell batteries being different from the traditional carbon-zinc cells would account for their open-circuit voltage being different from what you expected?

72/73, George W5YR - the Yellow Rose of Texas NETXQRP 6

. I was using a Fresh "AA" Cell.

Date: Sun, 03 Dec 2000 11:23:22 -0500
From: Jim Lyons <lyons@canada.com>
To: qrp-1@lehigh.edu
Subject: [85357] RE: Battery Voltage "The VOLTER"
Message-ID: <3.0.5.32.20001203112322.0084da90@pop.videotron.ca>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

A year ago when I was faced with the problem of setting up a reference voltage I browsed around Active Radio and found a high precision 3 terminal 10 volt regulator by Analog Devices the AD 581. A web search for AD581 will bring you to details and I think you'll find it is one answer to a hobbyist's reference source.

Jim Lyons, VE2KN
Montreal

Date: Sun, 3 Dec 2000 10:35:08 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "'n1bq@wulfden.org'" <n1bq@wulfden.org>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>
Subject: [85358] RE: 160mtr contest
Message-ID: <01C05D14.B5D46AA0.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Speed was definitely above 20 for the most part, that's true. But speeds are generally lower in the 160 test overall than in SS or the DX tests. I think that's probably because of the noise level on 160--contesters know that copy is going to be more difficult in some cases. I'd say I hear mostly in the 20 to 28 wpm range in this one.

QRP wouldn't be for the faint hearted in this one, and being faint hearted I ran 150 watts. I'd imagine that with 5 watts and a good antenna you could score lots of sections and QSOs, but probably wouldn't have much luck calling CQ.

Finally, after all the high minded theorizing on the worth of signal reports in contests, I enjoyed this light hearted moment:

I was running about 23 wpm, and answered a guy who had trouble getting my call. I went down to 20, then 17 and finally 14 repeating my call each time. Finally he got it and proceeded with the exchange, "5NN .. HI " ... I thought, "HI?" Is this guy in Hawaii? Then I realized he was reacting to the humor of my being 599 after all the difficulty of copying my call. We both had a good laugh over that one.

72--Nick, WA5BDU
in Arkansas

133 QSOs in 37 sections including VP5 but didn't even work California or Canada.

Roy, I don't what part of 160 you were on, but I listened into 160 last night (about 0400z Saturday), after reading a note on the list here that 160 was "hot." Indeed it was, more activity than I have heard on 160 than any time I have listened, buuutttttt ... all I heard were those allegedly absent 'speed maniacs' running way over 20 wpm. I think there was maybe one station on while I was on who was even vaguely slow enough that I could copy 75%.

72 de brian, n1bq

Date: Sun, 03 Dec 2000 10:46:06 -0600
From: "Chuck Carpenter" <w5usj@globeco.net>
To: qrp-1@Lehigh.EDU
Subject: [85359] Hyped for Wyoming
Message-ID: <3.0.2.32.20001203104606.00a07e80@mail.globeco.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Getting exciting, folks.

I'm almost hyped enough to put the 40 meter hamstick back on the pickup,
load the IC-706 and the key and head out.

...almost 8^)...

Will be a fine accomplishment for Steve, that's for sure...

Chuck Carpenter, Point, Rains Co., TX - EM22cv, RARA #3, NETXQRP #1
ARCI #5422, QRP-L #1306, SOC #57, Six Club #201, SMIRK #6275

Date: Sun, 3 Dec 2000 09:59:33 -0700
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: <n5ib@juno.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85360] Re: CQ Wyoming??
Message-ID: <0E60RJ1zGax8quVlFv1000026d9@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Folks:

Getting into, out of and surviving in WY during the winter months can
be non-trivial.

Snow, cold and sudden storms can be quite dangerous. Then there is the
wind! It's always windy in Wyoming. 30, 40, 50 or more miles per hour
are not uncommon. To get an idea of how the wind can affect people
read the journals and/or diaries of those who traveled west during the
1800's on the Oregon trail. This is not climate to be taken lightly.
To go to Wyoming set-up and get home safely requires some thoughtful
planning.

It's not uncommon for the interstate highways to be closed into our out of Wyoming in bad weather. Just last month I-80 was closed between Laramie and Cheyenne. Traffic was diverted south to Fort Collins, then back north to get around the trouble spot, a detour over 100 miles long!

All that said, I don't want to discourage anyone for giving it a go, just be very careful and make your plans like you life depends in it, IT DOES!!

Living only 40 mi. south of the border I wanted to get to WY more this year, to hand out WY QSOs. But a job change got in the way, perhaps next year I can accommodate. I just don't have the time, equipment or inclination to do so in the winter months.

73, Rod NØRC
Ft Collins CO <- 40 So. of WY board

----- Original Message -----

From: <n5ib@juno.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Sent: Sunday, December 03, 2000 7:14 AM
Subject: CQ Wyoming??

>
> OK gang, according to my map, Idaho, Colorado, Utah, Montana,
Nebraska,
> and South Dakota all border on Wyoming. It's time for y'all up there
on
> the frozen tundra to limber up the sled dogs, dust off the
snowshoes,
> fill a thermos with hot chicken soup, and make a DXpedition to the
Great
> State of Wyoming.
>

Date: Sun, 03 Dec 2000 22:44:16 -0700
From: Roy <marion@montana.com>
To: ac6ts@n2.net, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85361] Re: MIZUHO 10m qrp handheld
Message-ID: <4.3.1.2.20001203224211.00a75220@mail.montana.com>
Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"; format=flowed

At 05:55 AM 12/3/00 -0800, john williams wrote:

>Group,

>A ham in my club has a MIZUHO, (like a AEA dx handy), 10m cw/ssb with
>loaded antenna he will sell me for \$250.00 It is in good shape. Has rit,
>signal meter, built in CW key button. (straight key action) or can plug
>in my own keyer. Handheld metal case holds AA batteries. Really a neat
>little rig. Is his price fair? I would like to have it, looks like fun.
>Any help much appreciated.

Not a fair price in my book. Bought mine new for 100 dollars. Roy AB7CE

Date: Sun, 3 Dec 2000 12:43:31 -0500

From: wb2vuo@juno.com

To: qrp-l@lehigh.edu

Subject: [85362] Fwd Current for 2N2222's?

Message-ID: <20001203.124332.-250859.1.wb2vuo@juno.com>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

I am building the PA from the 2N2/40 for a rig I am trying to get back on the air. I am OK with CW with the Class-C PA stage, but this is an SSB/CW rig, and I would like to bias the PA for Class-AB.

Does anyone have a hint as to what the forward current for the 2N2222's should be for linear class operation? I don't have any modelling packages here to design such a beast, just some guidelines from "Solid State Design For The Radio Amateur", based on the "Broadband 1-Watt Class-A Amp", page 206.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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Date: Sun, 03 Dec 2000 10:05:01 -0800
From: Phil Wheeler <w7ox@earthlink.net>
To: wb2vuo@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85363] Re: Fwd Current for 2N2222's?
Message-ID: <3A2A8B4D.D705A476@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

There are some specs here, if they help. Not sure what you mean by
"forward" bse, emitter or collector) though.

http://www-us.semiconductors.com/acrobat/datasheets/2N2222_CNV_2.pdf

and

<http://www.io.com/~ritter/NOISE/SPEC2222.HTM>

Phil

wb2vuo@juno.com wrote:

>
> I am building the PA from the 2N2/40 for a rig I am trying to get back on
> the air. I am OK with CW with the Class-C PA stage, but this is an
> SSB/CW rig, and I would like to bias the PA for Class-AB.
>
> Does anyone have a hint as to what the forward current for the 2N2222's
> should be for linear class operation? I don't have any modelling
> packages here to design such a beast, just some guidelines from "Solid
> State Design For The Radio Amateur", based on the "Broadband 1-Watt
> Class-A Amp", page 206.
>
> 72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
> President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
> Section
> My night light runs more power than my Rig!!!
> Replies - <mailto:wb2vuo@arrl.net>
>
> -----
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Date: Sun, 03 Dec 2000 10:43:10 -0800
From: Don Minkoff <cowchip@mediaone.net>
To: qrp list <qrp-l@Lehigh.EDU>
Subject: [85364] Log update #12
Message-ID: <3A2A943E.2D65DF82@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I made a few corrections due to typo's and murphy.

I am going to try pasting in a text file. Sorry if some of you had problems with a file that was HTML. Another gremlin!

0200	WA9TZE	559	WI	JIM	5W
0204	NQ7X	559	AZ	FLOYD	5W
0205	K5AAR	559	OK	DON	5W
0205	N6WG	599	CA	BOB	5W
0206	AA7EQ	559	AZ	BOB	5W
0207	K5DI	599	NM	KARL	5W
0209	K0MP	559	CO	BILL	5W
0209	N1LN	599	TX	BRUCE	5W
0211	W0CH	559	MO	DAVE	5W
0212	K0EVZ	559	ND	DOC	5W
0213	K7RE	559	AZ	BRIAN	5W
0214	K0FPR	599	CO	AL	5W
0219	K7QO	599	AZ	CHUCK	5W
0224	WE6W	579	CA	ED	5W
0224	NK7M	579	AZ	BOB	5W
0225	W7ILW	559	AZ	HOWARD	3W
0226	W5SB	559	TX	BILL	5W
0227	NW7DX	559	WA	BEN	5W
0228	W5YR	559	TX	GEO	5W
0230	N2WW	559	CO	LARRY	5W
0231	K7FD	599	OR	JOHN	5W
0232	N1FN	559	CO	ET	5W
0234	N0DSP	559	CO	TOM	5W
0235	N5TW	559	NM	TOM	5W
0236	WA7LNU	599	UT	JACK	5W
0237	K5VUU	559	TX	ED	5W
0238	W6ABC	599	CA	JOCK	5W
0239	K5ZTY	559	TX	BILL	5W
0242	AC5JH	599	OK	TOM	5W
0243	N9AW	559	WI	JERRY	5W
0245	W0RSP	559	SD	ADE	4W
0246	N5EN	559	TX	STEVE	5W
0249	W9XU	559	WI	LON	5W

0250 W0RW 579 CO PAUL 5W
0252 KB7WW 559 OR ART 5W
0253 W4NJK 559 CA CHARLIE 5W
0254 K5JHP 559 TX BILL 5W
0255 K5LN 559 CO BILL 5W
0257 K8IE 559 OH DAN 5W
0258 N0UR 559 MN JIM 5W
0259 W9XT 559 WI GARY 5W
0300 K7EL 559 OR DAVE 5W
0303 KI0II 559 CO RON 5W
0304 K4FB 559 FL PAUL 5W
0306 AF4PS 579 FL MAC 4W
0308 KK5LD 559 TX DAN 5W
0309 K9IUA 559 ND KEVIN 5W
0311 KQ5U 559 TX TERRY 5W
0312 W0JOE 559 MO JOE 5W
0313 W5USJ 559 TX CHUCK 4W
0315 WA7TQK 559 ID BILL 5W
0316 K5E0A 559 LA WAYNE 5W
0318 KK7GG 559 OR MIKE 5W
0320 AF4LQ 559 KY MIKE 5W
0322 K5DW 539 TX DON 5W
0322 NM5M 559 TX ERIC 5W
0325 NK9G 559 WI RICK 5W
0328 K10J 559 TX OJ 5W
0330 KE6RS 599 CA RON 5W
0331 W9UQB 559 AZ MIKE 5W
0332 KE6JJJ 559 CA JEREMY 2W
0335 AA0ZZ 559 MN CRAIG 5W
0338 AC7CF 559 UT ANDY 5W
0339 K0QD 559 CO HUGH 5W
0342 AD6JY 599 CA DAN 5W
0344 N0EHW 559 MO TIM 5W
0346 N0TU 599 CO STEVE 5W
0347 K8CV 559 MI WALT 5W
0350 AE9K 559 WI BRIAN 5W
0352 N4ROA 559 VA DAN 5W
0353 K2VCO 559 CA VIC 5W
0354 W0PWE 559 IA JERRY 5W
0358 W5HNS 559 TX HENRY 5W
0358 W7AQK 599 AZ DAVE 5W
0359 N5UW 599 OK CLIF 5W
0359 W8RU 559 MI RON 5W
0000 NK6A CA FOX

--

Don
NK6A

Date: Sun, 03 Dec 2000 13:50:54 -0500
From: Brian <brian@iquest.net>
To: wd3p@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85365] Re: CQ Delaware and Wyoming...
Message-ID: <3A2A960E.A97932CA@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

He needs them on 40m, specifically 7040 so his TT2 can work them.

I had a heck of a time getting WY on 40m from Indy....but we did finally get it done.

Larry S Cahoon wrote:

>
> > Boy, if you find any, let the rest of us know, Steve.
> > They are very hard to come by.
> >
> I must be lucky -I have DE in the log eight times this year. All QRP from
> 5 Watts down to 50 mWatts, picked three in the CW Sweepstakes last
> month.
>
> WY isn't so bad either. I've got them in the log nine times this year -
> Seven of them QRP. I picked up all those county hunting from guys
> driving through the state. Plus from my trip to TN last month running
> counties along the way (50 Watts - these QSOs are from them not me) I've
> got W7TSM in the log 13 times. He was almost certainly in WY then. I
> only need 4 of the 23 counties in the state to have them all QRP - anyone
> want to head out to Crook, Lincoln, Sheridan, or Sublette county?
>
> Seriously, if you are looking for states the county hunters freq.
> (14.056.5) is a great place to find them. If you want a QSL the guys do
> expect a SASE, but you are almost certain of getting a card back. This is
> the norm, else these guy would go broke - I've got requests to confirm
> 130+ QSOs in the last month from the group - most of them were from my

> four days on the road to TN and back. The group does not think in terms
> of rare states. They care about rare counties.
>
> 73 de Larry.....WD3P
> <http://www.qsl.net/wd3p>
> -----
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--

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Sun, 03 Dec 2000 13:54:50 -0500
From: Brian <brian@iquest.net>
To: jsm@gulfislands.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85366] Re: CW Wyoming??
Message-ID: <3A2A96FA.6A9F3D49@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

AC7 huh? Andrew, the world famous Flying Pig?

I'd be curious to know how many of your 50 are Flying Pigs.

I know I am, and I know your FLA contact AF4PS is too....I just hope
the judges don't hold it against you.

72

Steve McDonald wrote:

>
> > Well, I was ready to make a DE-xpedition to Delaware, but I be darned if
> I'll
> > go to Wyoming!
> >

> > John W2AGN
>
> I know you were John and I was about ready to play my trump card when W3PP
> offered a sked. I do appreciate your more than generous offer. Ed, W1RFI,
> also offered to drive over there.
> A young AC7 QRPer has offered to drive to WYO but he doesn't have a
> driver's licence yet!! He says that it would only take an hour. I asked him
> how long it would take to walk!! The enthusiasm of the QRP community is
> beyond belief. What a great hobby!!
>
> Steve / VE7SL

--

```
=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
      39.558 N   86.095 W   Johnson Co., Indiana
      GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
      Member of the American Radio Relay League - SOC #400
      FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
```

Date: Sun, 03 Dec 2000 13:52:38 -0500
From: Brian <brian@iquest.net>
To: jsm@gulfislands.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85367] Re: CW Wyoming??
Message-ID: <3A2A9676.36EABF6D@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Way to go Steve!

Hey we're rooting for you here in Indiana!

One left!! It's always the last one too. <hehehe>

Steve McDonald wrote:

>
> Had a nice QSO tonight with W3PP in Delaware...he was running 5 W to his 2
> el beam!!! Solid 579 both ways and state # 49 on 7040. Can't believe there
> are no QRPers in WYOMING!!!
>
> Steve / VE7SL / TT-2 / 400mw / half-sloper / ocean

--

```
=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
  39.558 N   86.095 W   Johnson Co., Indiana
  GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
  Member of the American Radio Relay League - SOC #400
  FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====
```

Date: Sun, 3 Dec 2000 14:52:47 +0000
From: "Steven Weber" <kd1jv@moose.ncia.net>
To: dsirait@centrin.net.id
Cc: qrp-l@lehigh.edu
Subject: [85368] Re: Ant: Recieving loop for 160 meters
Message-ID: <200012031927.0AA23977@wolf.ncia.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT

> We are thinking of constructing a recieving loop for 160 meters

> We are thinking of making the loop from RG213 or RG8 for better
> rigidness but the capacitance/foot is about 30PF so the distributed
> capacitance of 20 feet will be about 600PF.
>

Donny,

Since the loop is mounted to a wooden or plastic pipe frame to give it shape, it seems to me that using the bigger coax would just make it top heavy and harder to support. Consider using mini RG-8x instead.

But if you insist on using the bigger RG-8 or RG213, just make the loop smaller. A loop just a few feet across will still work suprisingly well on 160.

Also consider making it an active loop. A simple differential input amplifier can be made with two jfets. The gates are cap coupled to each side of the loop tuning cap and the drains are connected to a center tapped transformer, wound on a ferrite core. Power for the amplifier can be sent up the coax lead to the loop, using RF chokes to isolate the power source and amplifer at each end. The diff input amplifer not only adds gain, but preserves the ballance of the loop and will make it's tuning sharper.

72,
Steve, KD1JV in the white Mountains of New Hampshire
"melt solder"

Date: Sun, 03 Dec 2000 14:48:08 -0500
From: "Jim Kortge, K8IQY" <jokortge@prodigy.net>
To: wb2vuo@juno.com
Cc: qrp-1@lehigh.edu
Subject: [85369] Re: Fwd Current for 2N2222's?
Message-ID: <5.0.0.25.1.20001203144023.025fec30@pop.prodigy.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

At 12:43 PM 12/3/00 -0500, you wrote:

>I am building the PA from the 2N2/40 for a rig I am trying to get back on
>the air. I am OK with CW with the Class-C PA stage, but this is an
>SSB/CW rig, and I would like to bias the PA for Class-AB.

>

>Does anyone have a hint as to what the forward current for the 2N2222's
>should be for linear class operation? I don't have any modelling
>packages here to design such a beast, just some guidelines from "Solid
>State Design For The Radio Amateur", based on the "Broadband 1-Watt
>Class-A Amp", page 206.

Keith.....how much power are you thinking of running with
the 2N2/40 final? My reason for asking is that 3-2N2222A
can handle about 2.5 watts safely on CW, but those puppies
are going to get mighty hot even running class B or AB2.

For biasing, I'd use the classic forward biased diode with a
stiff supply behind it, and eek the bias level up until
the stack of 2N2222s are running 30 to 45 milliamps. While
not having simulated that, I'd guess it will be quite linear,
but I'm really afraid you will blow all of them out on the
first voice peak! :-)

If it were me, I'd use something like a 2SC1945, then I
know I could run 5 to 10 watts safely, and it wouldn't take
all that much drive, and much easier to heat sink too.

72 and let us all know how it works.

Jim, K8IQY

>72/73, Keith, WB2VU0, 100% QRP from the Depths of the Great Bergen Swamp
>President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
>Section
>My night light runs more power than my Rig!!!
>Replies - <mailto:wb2vuo@arrl.net>
>-----
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><http://dl.www.juno.com/get/tagj>.

Date: Sun, 3 Dec 2000 14:02:12 -0600
From: w0av@juno.com
To: qrp-l@lehigh.edu
Subject: [85370] Re. 10M CW DX
Message-ID: <20001203.140212.-699495.0.w0av@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi QRPers,

Just worked V51ASA on 28.008 (Listening up 1 KHz) at 1955.

Very strong, got him on first call w/5W and no beam.

GL

de George/W0AV
SOC#101

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 3 Dec 2000 15:21:32 EST
From: Robsparks@aol.com
To: QRP-L@lehigh.edu
Subject: [85371] Antenna tuner question
Message-ID: <37.d6fadba.275c054c@aol.com>
MIME-Version: 1.0

Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy Folks,

Has anyone out there ever modified an antenna tuner to light an LED when the SWR reaches acceptable levels? I have an older MFJ-901 Versa Tuner that I use for QRP and would like to improve (or ruin!) it by adding this feature.

Thanks,

Bob Sparks AB5ZD@QSL.Net

Date: Sun, 3 Dec 2000 15:40:09 -0500
From: "Scott E. Olitsky" <solitsky@acsu.buffalo.edu>
To: <w0av@juno.com>
Cc: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [85372] Re: Re. 10M CW DX
Message-ID: <01a101c05d69\$3f6f9380\$7ff4fea9@hppav>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Got him first call with 2.5 watts for first CW contact with the FT-817 with my indoor 10m dipole 8 ft off the floor in my living room

Scott
AC3A

----- Original Message -----

From: <w0av@juno.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Sent: Sunday, December 03, 2000 3:02 PM
Subject: Re. 10M CW DX

> Hi QRPers,
>
> Just worked V51ASA on 28.008 (Listening up 1 KHz) at 1955.
>
> Very strong, got him on first call w/5W and no beam.
>
> GL
>
> de George/W0AV
> SOC#101

> -----
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> <http://dl.www.juno.com/get/tagj>.
>

Date: Sun, 3 Dec 2000 13:34:14 -0800
From: "John Moriarity" <k6qq@hdo.net>
To: <mel@euramcom.freeseve.co.uk>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85373] Re: Battery Voltage "The VOLTER"
Message-ID: <003701c05d70\$cc09f9a0\$e3414cd1@johnmori>

Just to add to the data base, I measured two fresh AA Duracells.

One has a "use by" date of Jan. 2002. It measured 1.607v.
The other has the date of Mar. 2004. It measured 1.609v.

The measurements were made with a Fluke 87 that hasn't been calibrated in several years. (It's tough when you live in the boonies.)

Measurements were made at an ambient temperature of about 63 degrees F. My shack is a long way from the wood stove ;-)

Another point. I was always told to keep batteries in the refrigerator. Then last spring, I had a box of Duracells that were corroding, perhaps due to some leakage. I sent them back to the company for evaluation. They told me it was *because* they had been in the fridge, and that they don't recommend keeping them there. They also replaced the cells free. Good company, good product.

72,

John, K6QQ
Alturas, CA, at the corner of 299 & 395.

Date: Sun, 3 Dec 2000 16:39:57 -0500

From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [85374] FOX Cub - 4 December 2000
Message-ID: <LPBBJAGIPFHKPJENAKLOMEPEDBAA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

well the big night (for me anyway) is fast approaching tomorrow
(Monday) evening from 0200-0400z Tuesday I will take my first turn as
Monsieur le Fox ...

I will call: QRZ FOX DE N1BQ K

I expect: <yourcall>

I will send: <yourcall> 55N VT BRIAN 5W <yourcall> BK

You will send: <rst> <state> <power> BK

I confirm by sending: TU. QRZ FOX DE N1BQ K
or request repeat.

I will be running my Alinco DX77T set to 5 watts to a G5RV that has
pretty good exposure all around. I am a 'slow-code' Extra and I
guarantee that it won't go over 10 wpm. I have a Tick3 keyer and will
have both memories programmed with the cal and half the response so my
fist will have as little opportunity as possible to screw up ... don't
know what else to say except ... TALLEY HO!

72 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
mailto:n1bq@wulfden.org
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

Date: Sun, 03 Dec 2000 14:41:29 -0700
From: Dan Tayloe <dtayloe@home.com>
To: Doug.Davies@gems3.gov.bc.ca, qrp-1 <qrp-1@Lehigh.EDU>
Subject: [85375] Re: Scope Tests: RF power
Message-ID: <3A2ABE09.B9355996@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

>Here are some things to help you measure power with the scope.

.....

>An essential item is to have a probe whether 10:1 or 1:1 that is high enough
>bandwidth itself. Some are only rated to lower HF, and you should use at
>least one rated to pass 100 MHz. Any marginal bandwidth anywhere in your
>measurement tools and instruments will affect the accuracy of the resulting
>RF measurement when you calculate the power with a voltage that is off. A
>10:1 probe is less likely to load down your signal source and affect the
>accuracy of the voltage you are measuring.

Another point that I could add to this is that it is possible to have a
scope probe that is *too fast*. I bought some really nice 500 MHz HP
scope probes for my 60 MHz scope. The voltage readings I got always
seemed to be a bit low especially at the higher frequencies such as 21
MHz.

The problem turned out to be the scope probe compensation. The 500 MHz
scope probe had compensation capacitors that were meant for a 10 pf
scope (i.e., a faster scope), whereas my scope had 15 pf of input C.
This can be checked by looking at the calibration square wave most
scopes have built in. You should adjust the compensation cap on the
probe so that the signal looks like a perfect square wave. Look at the
leading edge. There should be no overshoot (over compensated), and no
leading edge round off (under compensated).

I was not able to do this on my scope with my fancy new probe, so I
later picked up a nice 100 MHz probe at a hamfest this summer. It
works great!

I guess it just goes to show, too much of a good thing can be bad....
:^(

- Dan Tayloe, N7VE; Phoenix, Az; Az ScQRPions

Date: Sun, 3 Dec 2000 21:34:28 +0000

From: Nils B Young <rantinen@juno.com>
To: QRP-L@lehigh.edu
Subject: [85376] Sprint & other topical ointments
Message-ID: <20001203.213431.-177615.1.rantinen@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Well, two things I learned today -- alongside all the other stuff I learned this weekend -- was contest stuff.

First, the Howes DCR/tx doodad that I cobbled together over the course of 7 years from 1987 to 1994 is a great little radio. But as a "contest" rig, it leaves a lot to be desired. Not that it ain't got a good transmitter or receiver, see? It's just that, once I discovered that I'd pitched the two button switches that I bought from Roger last week and which would have given me "spot" and some other function that I can't remember now, the whole point of usin' it in the "homebrew" sprint was moot.

So I used the K2 instead. With all the other home brew stuff what hoses to it. Like the power supply, the antenna switching stuff in the outhouse, the various antenna coupling & switching boxes &c, I figured that it was "homebrew" enough. Which is good enough for me.

Then I discovered that, although I've gotten into higher speed CW than I usually run since my QSO with Mike KG4KCC, retired of His Majesty's Royal Navy as a CT/gumshoe type, I was just not ready to do all that fancy fast-copyin' stuff what used to come so easy back when I could remember what I was doing. So a lot of people got missed as I hunted & pecked my way up and down the band.

So I did four Qs in the first 45 minutes, at which point Cindy came back from "shopping" (more like hunter-gatherer stuff to me . . . hours spent looking at two different sets of chairs before driving home with a third & wishing she'd bought the first of the first two). The last "all hands evolution" was her fouling the pine roping that she got so we can have dead green stuff hangin' on the front porch rail. Reminded me of my father: "Well, you fouled that line nicely, lad." (And I'd just got back from puttin' a wreath on his & Mom's graves . . . the youngest went with me . . . that they were here to see him) I think I'll hand her my copy of "The Bluejackets' Manual."

Maybe I should've stayed with the DCR/tx . . .

Hope youse all had fun & got big fat juicy scores to prove it! I figure

four @ 3.5W is what? 5028 points. Gee, maybe I can get the "lowest score of anyone" award. That would look good, yeah . . . Right next to the chunk of walnut avec clock what I got recent for havin' worked at the university for 20 years

73

Nils

. . . how do I get the smell of pine roping off my hands now? . . . my fingers are stickin' to the keys . . . I think I'll just go back to listenin' to Gene Scott . . . makes more sense . . .

Nils R. B. Young -- El Gringo Errante -- W8IJN -- The Tagalong Press
<http://www6.50megs.com/w8ijn> -- <http://members.fortunecity.com/nilsbull>
"In MY day you had to FIGHT to have finals! Every DAY was a STRUGGLE!"
Comrade Nikolai

Sergeiovich McTovarishov

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 3 Dec 2000 13:52:45 -0800
From: Bob Nielsen <nielsen@oz.net>
To: w0av@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85377] Re: Re. 10M CW DX
Message-ID: <20001203135245.B1514@oz.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

Err, his call is V51AS. Frank was around for quite a while today.

Bob, N7XY

On Sun, Dec 03, 2000 at 02:02:12PM -0600, w0av@juno.com wrote:

> Hi QRPers,

>

> Just worked V51ASA on 28.008 (Listening up 1 KHz) at 1955.

>

> Very strong, got him on first call w/5W and no beam.

--

Bob Nielsen, N7XY
Bainbridge Island, WA

nielsen@oz.net
<http://www.oz.net/~nielsen>

Date: Sun, 3 Dec 2000 16:55:09 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>, <k6qq@hdo.net>
Subject: [85378] RE: Battery Voltage "The VOLTER"
Message-ID: <LPBBJAGIPFHKPJENAKLOAEPGDBAA.n1bq@wulfden.org>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I raced sled dogs semi-professionally for a number of years. I was involved in long distance racing which means running all night often. We used a particularly rugged head light unit that was sold under the name Just-Right and it took a 500 ma bulb when fed by 4 D-cells. Another guy who was involved who was also an engineer, and I took it upon ourselves to check out just what really were the best batteries. To make the long story short the Duracell was the hands down winner. The interesting thing is that under 'average conditions' that is 50-80 F ambient temperature it almost makes no difference what brand you buy, but when the temp goes down (and for that matter when it goes way up.) The others fall quickly by the wayside. The typical long distance sled dog race use had you wearing the light and the battery pack clipped to your pants belt inside your parka, but outside your clothes. The battery temps ran about 15-20F for an outside temperature of of -10f-0F. Under those circumstances we got 12-17 hours of use out of a set of Duracell batteries and were lucky to get 6 hours out of a set of Energizers in the same circumstances.

Bottom line is that the flashlight you leave in your car all winter hoping it will work when Murphy strikes at oh-dark hundred hours and its cold enough to freeze a witches t--- ... that is the unit in which to put Duracells!

p.s. NOTE: Under average conditions an alkaline D-cell will supply 17 AH of juice.

72 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT

mailto:n1bq@wulfden.org
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

> -----Original Message-----
> From: John Moriarity
> Sent: Sunday, December 03, 2000 16:34 PM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Battery Voltage "The VOLTER"
>
>
> Just to add to the data base, I measured two fresh AA Duracells.
>
> One has a "use by" date of Jan. 2002. It measured 1.607v.
> The other has the date of Mar. 2004. It measured 1.609v.
>
> The measurements were made with a Fluke 87 that hasn't been
> calibrated in several years. (It's tough when you live in the
> boonies.)
>
> Measurements were made at an ambient temperature of about
> 63 degrees F. My shack is a long way from the wood stove ;-)
>
> Another point. I was always told to keep batteries in the
> refrigerator. Then last spring, I had a box of Duracells that were
> corroding, perhaps due to some leakage. I sent them back
> to the company for evaluation. They told me it was *because*
> they had been in the fridge, and that they don't recommend
> keeping them there. They also replaced the cells free. Good
> company, good product.
>
> 72,
>
> John, K6QQ
> Alturas, CA, at the corner of 299 & 395.
>
>
>
>

Date: Sun, 3 Dec 2000 17:06:53 -0500
From: "Brian B. Riley, N1BQ" <n1bq@wulfden.org>
To: "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [85379] FOX Cub - 4 December 2000 - correction

Message-ID: <LPBBJAGIPFHKPJENAKLOCEPIDBAA.n1bq@wulfdn.org>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi gang,

well the big night (for me anyway) is fast approaching tomorrow
(Monday) evening from 0200-0400z Tuesday I will take my first turn as
Monsieur le Fox ...

I will call: QRZ FOX DE N1BQ K

I expect: <yourcall>

I will send: <yourcall> 55N VT BRIAN 5W <yourcall> BK

You will send: <rst> <state> <yourname> <power> BK

I confirm by sending: TU. QRZ FOX DE N1BQ K
or request repeat.

I will be running my Alinco DX77T set to 5 watts to a G5RV that has
pretty good exposure all around. I am a 'slow-code' Extra and I
guarantee that it won't go over 10 wpm. I have a Tick3 keyer and will
have both memories programmed with the cal and half the response so my
fist will have as little opportunity as possible to screw up ... don't
know what else to say except ... TALLEY H0!

p.s. sorry for the repeat, I left out the Hounds name in the hound reply
form above, its now shown.

72 de brian, n1bq

--

N1BQ-3 @ 44 31.73N 072 51.55W
WideN-N digi and weather station in Underhill Center, VT
mailto:n1bq@wulfdn.org
AMSAT LM-1418 NJQRP #274
QRP-L #2276 Zombie #768

Date: Sun, 3 Dec 2000 14:12:50 -0800
From: dave_epps@juno.com
To: qrp-1@lehigh.edu
Subject: [85380] PSK-40 New Small Wonder
Message-ID: <20001203.141256.-178599.1.dave_epps@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Another great kit from Dave Benson at Small Wonder Labs. I don't know how he does it and I'm really anxious to see what he will have next. I should have mine on the air tomorrow and will be looking for Warblers around 7.072 mhz.

It is almost identical to the PSK-20 except that the 602's and many caps have been converted to smt and are pre-mounted. It also has a different case which I think is better.

Naturally the crystals and tuned circuit values have been changed for 40 meter operation. There are a few smt inductors that you have to install, but they are large ones and mount easily.

See details for the PSK-20 on Dave's webpage www.smallwonderlabs.com should all be similiar for the PSK-40. I bet one of these show up in George's new computerless PSK-31 rig.

The assembly instructions are great. Dave is "The Best" to do business with.

dave ab5pc fresno, ca.

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<http://dl.www.juno.com/get/tagj>.

Date: Sun, 3 Dec 2000 15:14:16 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85381] Re: Kenwood TS-50 Service Manual
Message-ID: <Pine.LNX.4.10.10012031507420.1057-1000000@cannac.ampr.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sat, 2 Dec 2000, Karl F. Larsen wrote:

>
> My ts-50 radio has stopped working on frequencies below about 12
> mhz. I think all my mobile use of the radio has caused things to become

I fooled around and found a URL where they sell the Kenwood TS-50S

Service Manual for \$30 + 7.50 shipping. They have parts for a wide range of Kenwood radios and the URL is:

<http://www.pacparts.com/>

You can buy via a credit card off the web page, making it convenient, assuming it works...:-)

Hope to have my ts-50 radio back working in a week or so, and at least will know a lot more about the radio.

Yours Truly,

- Karl F. Larsen, k5di@arrl.net (505) 524-3303 -

Date: Sun, 03 Dec 2000 16:16:32 -0600
From: "Lawrence T. Owens" <w4dec@dibbs.net>
To: qrp-1@Lehigh.EDU
Subject: [85382] 160 Meter contest QRP:
Message-ID: <3A2AC640.4901@dibbs.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Here is my brag on the 160 meter contest. Worked QRP and mostly 4.5 watts, just to keep it below 5 watts.

Hours of operation 19 hr 30 min. Sent 599 AL.

BAND	QSOs	Points
-----	-----	-----
160	175	353
-----	-----	-----
Total	175	353 X 43 multipliers = 15,179

Good contest but things moved pretty slow for QRP.

Equipment was Elecraft K2 and antenna 160 Meter inverted Vee.

Some stations asked for repeat of the section. I repeated it a few times and they started CQing again right away without a QSL so didn't know if they got me or not or just got impatient and started CQing again for the next QSO. They didn't make it in my log. All in all a good contest with some fine operators. Operation was mostly search and pounce but did manage to get a few nice runs going. The west coast did not open

up for me and my antenna but did get as far west as AZ, UT, ID, and NV .
New England was spotty but did get K1ZM in EMA. W8JI had a powerhouse
signal here in Mobile and was consistent throughout the contest with
signals most of the time 599 plus better than 40 over 9.
Only DX worked was VP5K. I understand that Dan N4ROA was on but never
did hear him. Hope I did get a few of the QRP gang but I didn't recognize
them.

72 es GL to ALL

Larry (W4DEC)

Date: Sun, 3 Dec 2000 17:29:14 -0500 (EST)
From: "Paul R. Valko" <prvalko@oakland.edu>
To: Nick Kennedy <nkennedy@tcainternet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [85383] Color me Brave - QRP on 160 contest
Message-ID: <Pine.OSF.4.21.0012031724260.22165-1000000@saturn4.acs.oakland.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Sun, 3 Dec 2000, Nick Kennedy wrote:

>
> QRP wouldn't be for the faint hearted in this one, and being faint hearted
> I ran 150 watts.

That's what I thought... my Corsair's ALC light was merrily flashing
(typically indicating 100W) as I worked a couple dozen Qs last night.

I had a couple guys ask for repeats... I figured my 80M dipole was simply
not doing to well on 160.

Then, I suddenly noticed that the ALC control was full counter-clockwise.

Whoops! Flipping the meter to see the power out, I was just under 20
watts. Well heck, if they could hear me at 20W, they'll hear me at 5! So
I cranked down the drive and worked another dozen guys before calling it a
night.

Phun.

73! =paul= W8KC

Collector of Ten*Tecs and other fine plastics.

Visit the Virtual Ten*Tec Museum at:

<<http://www.acs.oakland.edu/~prvalko>>

Date: Sun, 03 Dec 2000 17:30:03 -0500
From: George Murphy <VE3ERP@ENCODE.COM>
To: qrp-1@lehigh.edu
Subject: [85384] Square Coaxial Transmission Line
Message-ID: <4.3.2.7.0.20001203172129.00a96e90@ENCODE.COM>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I am looking for help in a research project. Can anyone suggest a practical use for square coaxial transmission line (possibly UHF applications?) consisting of a square buss wire or standard aluminum or furniture tubing inner conductor, and a square cross section sheet metal outer conductor, all designed for any reasonable characteristic feed line impedance?

Please reply direct (off-list).

TNX, Murph VE3ERP - The Hamclac Guy

Date: Sun, 3 Dec 2000 14:44:10 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85385] Re: CQ Delaware and Wyoming...
Message-ID: <002c01c05d7a\$8e8be520\$2fd1fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Lary
Thanks for the info.

I'm specifically looking for DE on 40m cw to complete my 40m two-way QRP WAS. DE is the only holdout, so maybe I can sked with someone this winter to finish it. Been a tough pull from the west coast. I do have WY, as that isn't so bad from here. Local call, sort of.

73, Bob N6WG

Date: Sun, 03 Dec 2000 17:52:22 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [85386] From the Ohio/Penn DE Bulletin # 48
Message-ID: <3A2ACEA6.EA15E11A@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

VP5, TURKS & CAICOS ISLANDS. Bruce, AA5B, is now active from North Caicos.
He was active as VP5K during last weekend's ARRL 160m Contest. He is also expected to be in the upcoming 10 meter contest running full power, but will be on the air during the week as VP5/AA5B. Look for him around the QRP frequencies and on the WARC bands alot. He states that he will be happy to have a 2xQRP QSO with you!

Date: Sun, 3 Dec 2000 15:08:29 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85387] Re: Ant: Recieving loop for 160 meters
Message-ID: <003c01c05d7d\$f3d82da0\$2fd1fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello Donny
I used a "flag" antenna for receiving this weekend in the ARRL 160m contest, and it was my best receiving antenna.
An article about "flag" and "pennant" antennas was in the July QST this year. You can find the author's web page at
<http://www.angelfire.com/md/k3ky/page37.html>, where much of the same info is available.

The flag antenna is a rectangle 14 ft tall and 29 ft long, fed in the center of one vertical leg, and with an approximately 900 ohm resistive termination in the center of the other vertical wire. The exact resistive value is a bit higher, but I just used two 1800 ohm resistors in parallel, and it worked fine for me. The bottom wire is about 6 feet above ground. The idea is the antenna is pretty much ground independent. It plays about the same no matter the height above ground.

The antenna output is less than a full size antenna, so I had to build a preamplifier to build up the signal. Easy to do for 160m.

The flag antenna creates a cardioid pattern, with a null to the rear, the terminated end. The feedpoint is the front of the antenna.

I hope this gets you started, Donny.
73, Bob N6WG
Newark, CA

Date: Sun, 3 Dec 2000 15:24:49 -0800
From: "Bob Tellefsen" <n6wg@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [85388] 160m contest QRP from the West Coast
Message-ID: <004601c05d80\$3ba15600\$2fd1fc9e@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

What a blast. Maybe I can go to bed early tonight and start catching up on my sleep.
Worked my second ARRL 160m contest as a QRP entry, and improved over last year, 141 Q's vs 127 last year.

Propagation was disappointing, though. I heard a number of stations commenting that it was poorer than last year. I know my score will be lower, even though I worked more stations. I just couldn't work the extra states to get more than 21 multipliers, and that includes all the sections in CA plus HI. :-). Only worked one station east of CO, in IA. Not sure how he snuck through the curtain.

My biggest frustration was chasing three NM stations all weekend, and never catching them. They must have been just outside my coverage circle :-)

For anyone interested, the flag and pennant receiving antennas written up in July QST actually work. I put up a flag antenna on Thursday, to see how it compared to my diamond shaped four-turn tuned loop. Each had its own preamplifier for gain. The flag was my best receiving antenna over the weekend, so it stays up :-). The author has a web site with more info at <http://www.angelfire.com/md/k3ky/page37.html>.

Now to work out my report and get it off to ARRL. I guess the results will be published in next August QST, so will have to wait a while to see how we

fared.

My thanks for all who stuck with me to complete QSOs.

73, Bob N6WG
Newark, CA on SF Bay

Date: Sun, 3 Dec 2000 18:32:41 -0500
From: "Ron Polityka" <wb3aal@fast.net>
To: ". NJ QRP-L" <njqrp@njqrp.org>, ". QRP-L" <qrp-l@Lehigh.EDU>
Subject: [85389] Contest Calendar 2001 for the QRPers
Message-ID: <008201c05d81\$55788520\$be5278cc@wb3aal>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

2nd Annual QRP Contest Calendar for 2001

www.n3epa.org

The Eastern PA QRP Club would like to announce
the release of the 2nd Annual QRP Contest Calendar
for 2001.

If you have reserved a calendar and you did not send
in you money, please do so soon.

It is photographic quality with color pictures, this will be
100% better than our first calendar. We are mailing the
calendar out on December 4, 2000.

This calendar will list QRP contests and contests with QRP
categories. It will be a fold-out style that you can hang on
your wall next to your rig. There will be a lists of Web sites
and contest managers calls. The Web site addresses will
have the contest rules plus much more. The color pictures
will feature the winners of kit-building contest that are held at
the different QRP forums or conventions throughout the year.
This is really a handy calendar to have in the shack. The
calendar will measure 11" x 17" when open. It will be in color
and B&W format, with the pictures and information on the top
half. For more information and a sample of the calendar check

out www.n3epa.org .

Order Now!

72 & 73
Good DXing

Ron Polityka
de N3EPA
n3epa@fast.net

vvv Eastern Pennsylvania QRP Web Page vvv
<http://www.n3epa.org>

Eastern Pennsylvania QRP Club Call
N3EPA E-mail address: n3epa@fast.net

Date: Sun, 03 Dec 2000 16:33:41 -0700
From: k0co <k0co@arrl.net>
To: ham_QRP-1 <qrp-1@lehigh.edu>
Subject: [85390] ARCI:tu K0EVZ, K5ZTY, N4BP, N5IW, WA7FLY
Message-ID: <3A2AD855.70699479@arrl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Wow, Omelette from broke eggs..... From 4 watts to a Hustler
coil in a /M pickup truck from Aurora CO, I found:

K0EVZ - Doc in ND
K5ZTY - Bill in TX
N4BP - 'S02R Bob' in. FLA
N5IW in TX again
WA7FLY in CA

My K3 keyer went fritz right at the start of today's Sprint,
and it was putting out some really strange stuff, so decided
to hop into my GMC pickup truck /counterpouse and go to my
daughter's to help her recover some files that got lost on
her home machine.....what luck. While driving to and from,
I decided to flip on the 706 and scrunch her down all the

way and see whutt de heck.....

That's coast to coast, and border to border, on first call to each! I suspect you fixed-base operators enjoyed pretty good condx, at least better than the 2300z solar numbers of 164/13/3. I've never heard it so good from my /M station.
k0co /M jack aurora & como, co

Date: Sun, 3 Dec 2000 15:56:00 -0800
From: "W7TRX" <w7trx@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [85391] First HF contact (SSB QRP). Need help with address- JA1GFA (Yuki)
Message-ID: <018c01c05d84\$970c3600\$3f2279a5@fkxug>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings,

I recently earned my General license and made my first HF contact. A memorable SSB QRP contact with a Japanese ham named Yuki on 10m. I would like to QSL but am unable to locate him in any data base. He lives in a city named Takarazuka.

I would be grateful for any information to help locate his mailing address.

I assume that the USPS can help me with postage to Japan. What should I enclose to assist with return postage? American Dollars? Other?

Thanks for your assistance,

Tracy
W7TRX

Date: Sun, 3 Dec 2000 18:53:00 -0500
From: wb2vuo@juno.com
To: qrp-1@lehigh.edu
Subject: [85392] Re: Fwd Current for 2N2222's?
Message-ID: <20001203.185302.-188847.0.wb2vuo@juno.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

A batch of quick replies, which I am grateful for. To answer the various posts, both on & off the List, please read below:

"How much power?" - I am looking for 1 watt more or less

"Why 2N2222's? The 2N(SC)xxxx will work much better" - I have the 2222's on hand and don't have the others, and Radio Shack doesn't carry RF power devices in the store anymore. This is a "Do it NOW, or Never" project...

"What rig is the PA going in?" - A fixer-upper Yaesu FT-7

"Why don't you check it out on Spice (or other modelling software)?" - Software, Computer and Cash limited at this time. My 16-yr old is chomping at the bit for her permit/license/car, and wants a 1965 Mustang (Ha!)

"Will you post your results?" - You betcha! And hopefully before I hit the road this next week.

More to follow, and Pictures WILL be available when I finish.

72/73, Keith, WB2VUO, 100% QRP from the Depths of the Great Bergen Swamp
President, Brockport Amateur Radio Klub & Tech Coordinator, ARRL WNY
Section

My night light runs more power than my Rig!!!

Replies - <mailto:wb2vuo@arrl.net>

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End of QRP-L Digest 2025

